

AbstractPMD Measurement and Compensation

5 A polarization mode dispersion (PMD) compensator for
compensation of PMD in polarization bit interleaved (PBI)
optical signals is disclosed. The control uses spectral
analysis of components of the electrical output,
particularly analysis of a spectral component having a
10 frequency corresponding to the bit frequency of the two
bit streams which form the bit interleaved signal.
Minimising this spectral component results in alignment
of the signal in the system at 45 degrees to the two
principal axes. An apparatus for measuring PMD based on
spectral analysis is also disclosed.

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